



WEBINAR | ADD ON SOFTWARE

THE INNOVATOR IN
**SOUND & VIBRATION
TECHNOLOGY**





CORE VALUES

COLLABORATION

CAPABLE & COMPETENT

ACCOUNTABLE & RESPONSIBLE

STRONG & DRIVEN WORK ETHIC

DO THE RIGHT THING

INNOVATION





OVERVIEW

Digital Remote I/O – VR9601

Digital Remote I/O with Analog Inputs – VR9602

Web & E-Mail Notifications – VR9603

Math Traces & Calculator –VR9606

Analyzer – VR9607



HARDWARE SPECIFICATIONS – VR9500

Gigabit Ethernet Interface

24-bit inputs & outputs

Integrated IEPE/ICP®

Supply Up to 200kHz Sample Rate

Scalable to 128 channels

Read & Write TEDS

26,000 Lines of Resolution

Simultaneously Record & Control Up

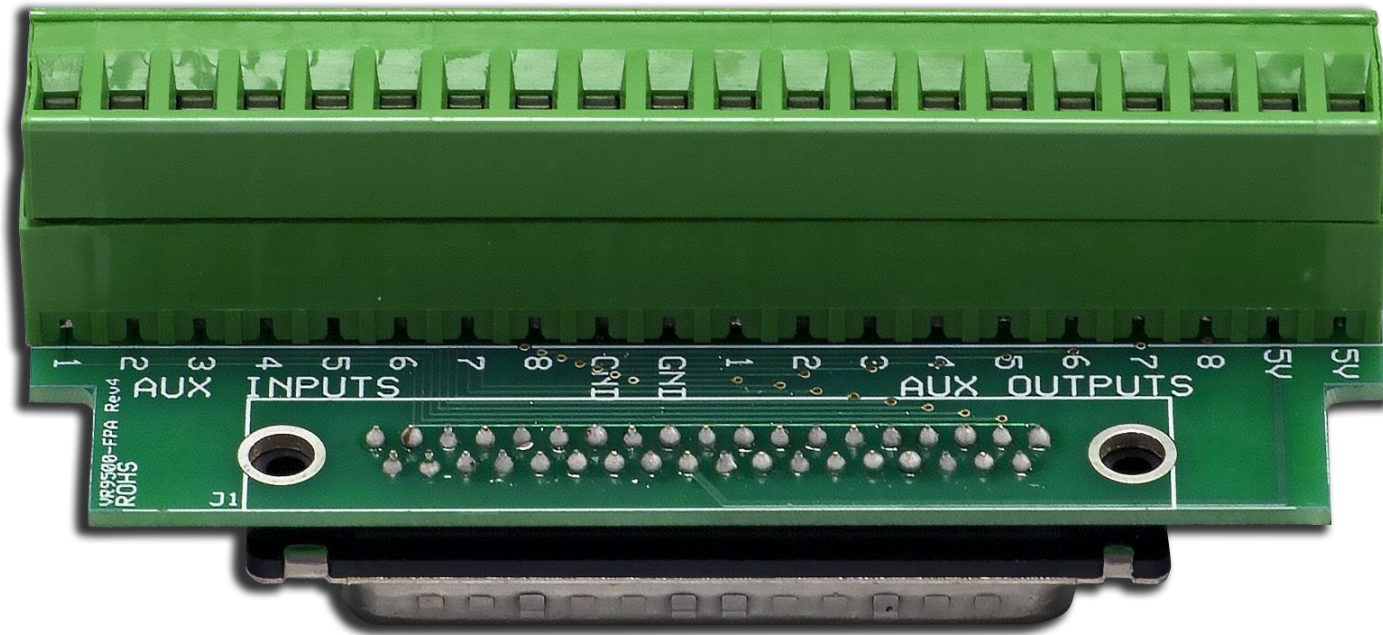
to 50kHz Control

Self-resetting fused inputs

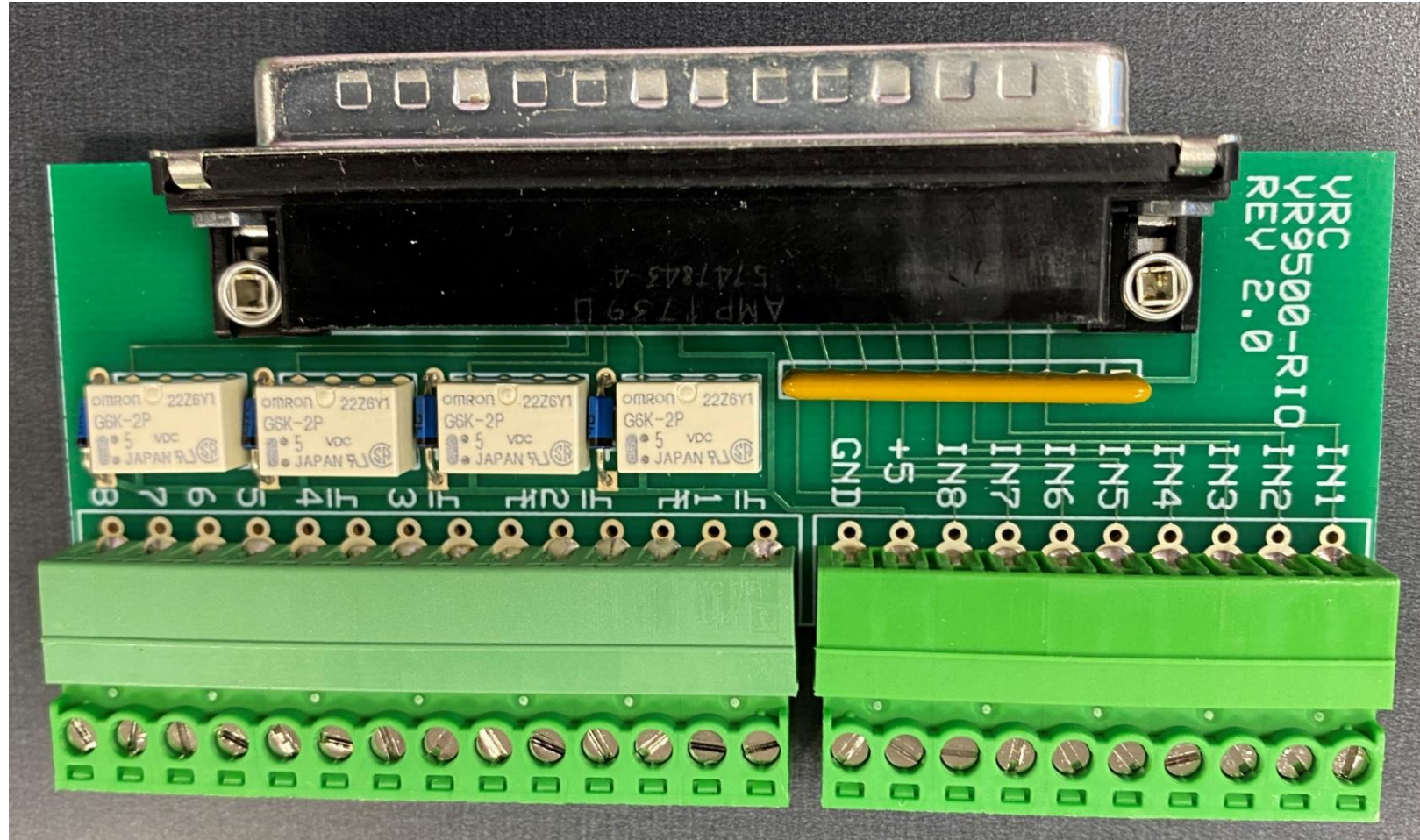




DB37 SCREW TERMINAL - VR9918

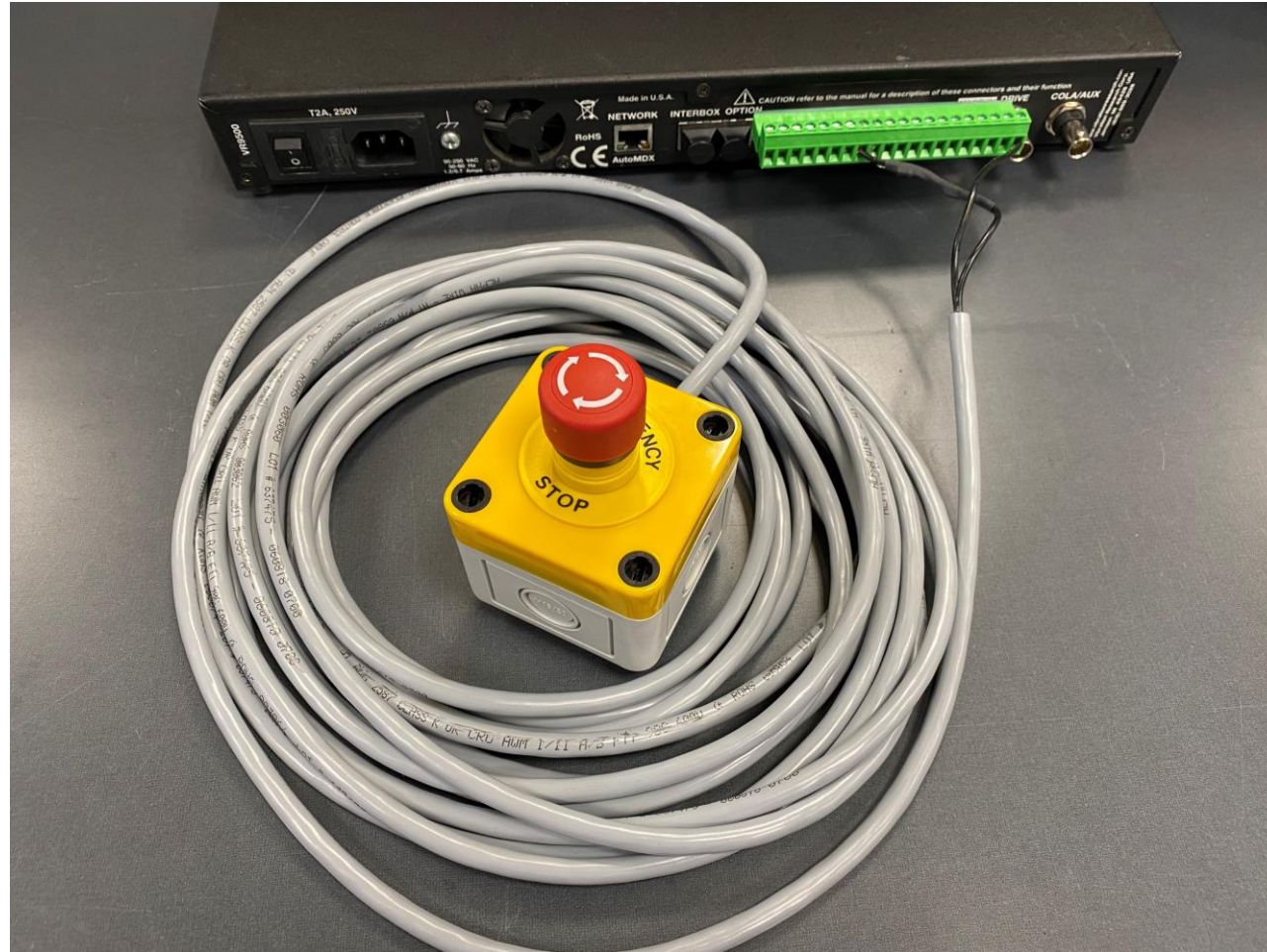


4 OUTPUT RELAY BOARD- VR9901





EMERGENCY STOP SWITCH - VR95ES

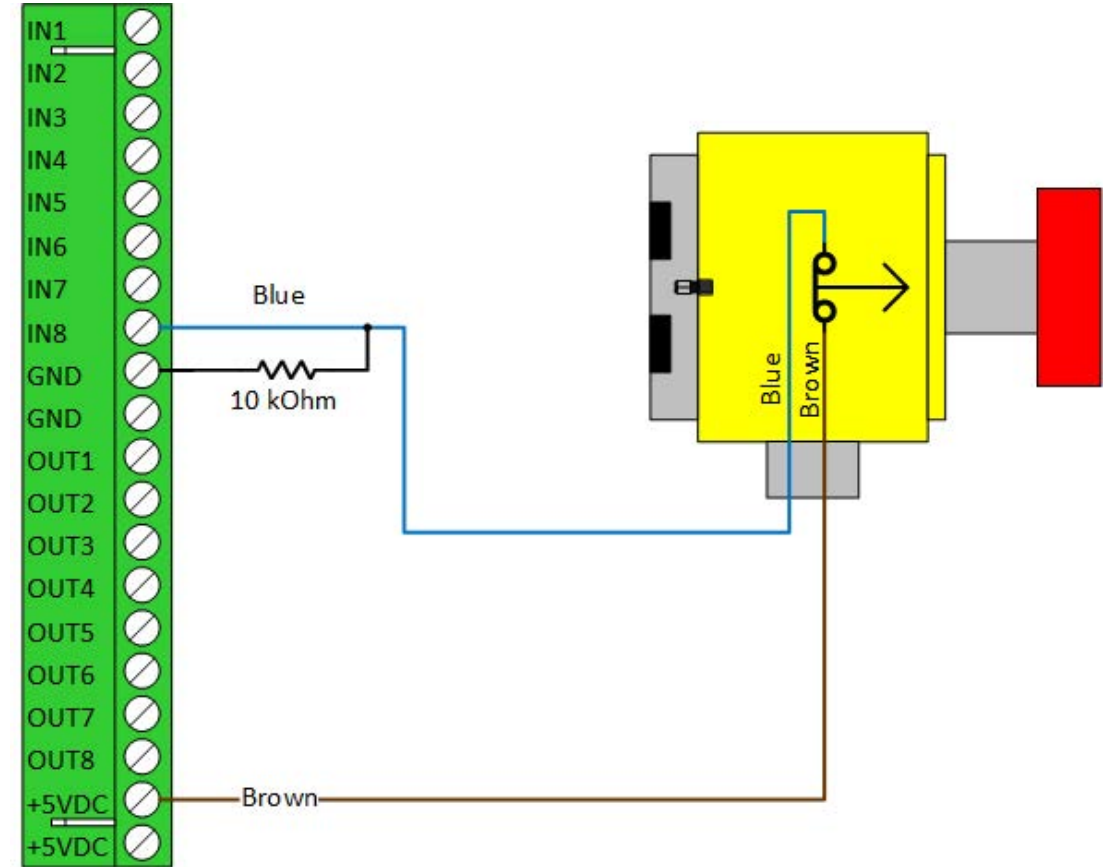
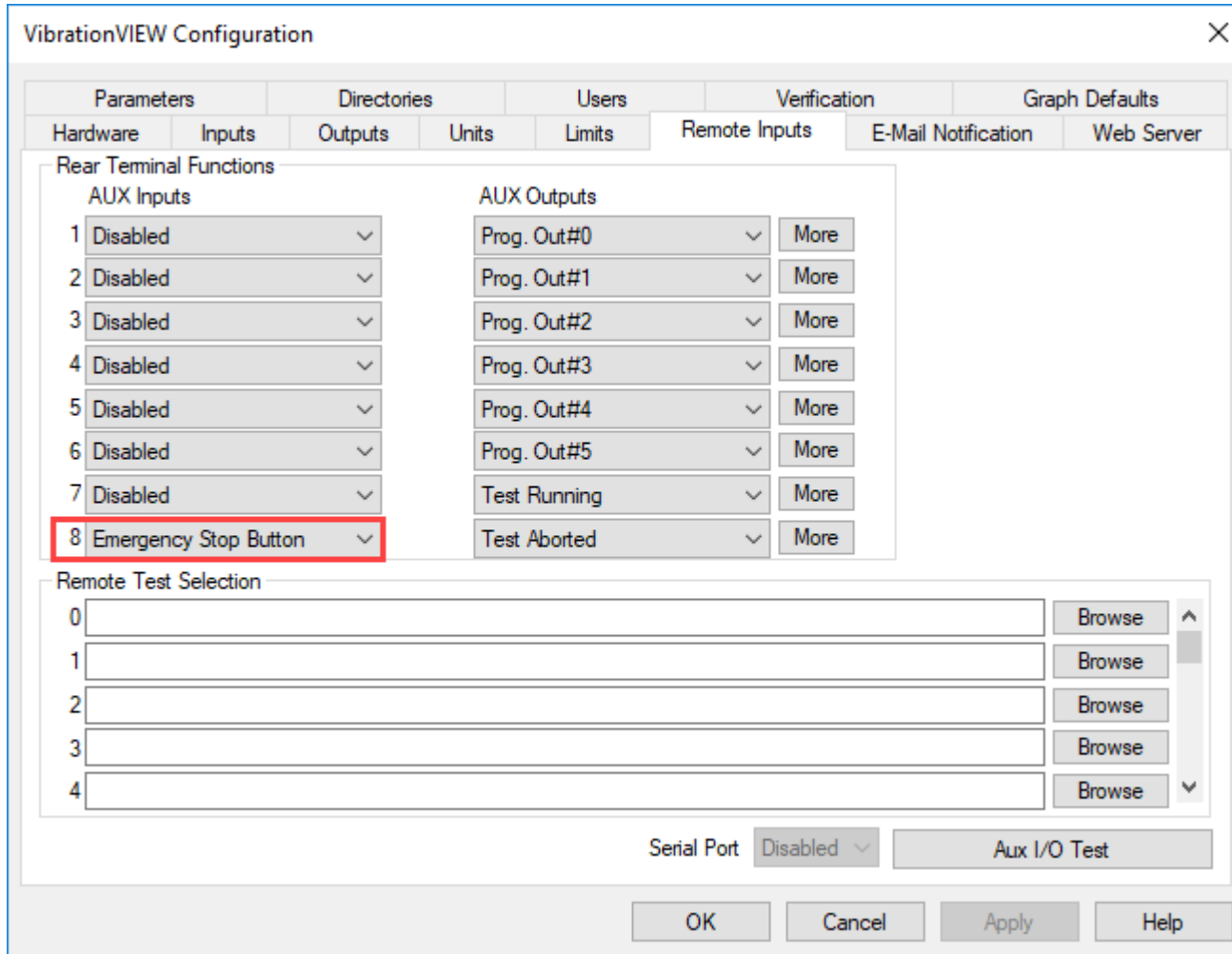




EMERGENCY STOP SWITCH - VR95ES



EMERGENCY STOP





DIGITAL REMOTE I/O – VR9601

Emergency Stop Button

Remote Test Selection & Chamber Integration

Programmable Outputs based on Schedule Level

Shaker startup and shutdown sequencing

<https://vibrationresearch.com/software/digital-remote-i-o/>

VibrationVIEW Configuration

Parameters		Directories		Users		Verification		Graph Defaults	
Hardware	Inputs	Outputs	Units	Limits	Remote Inputs	E-Mail Notification	Web Server		
Rear Terminal Functions									
AUX Inputs					AUX Outputs				
1	Program Start/Stop	More	Prog. Out#0	More					
2	Program BCD Select 1's	More	Prog. Out#1	More					
3	Program BCD Select 2's	More	Prog. Out#2	More					
4	Program BCD Select 4's	More	Prog. Out#3	More					
5	Program BCD Select 8's	More	Prog. Out#4	More					
6	Record Start/Stop	More	Shaker Power	More					
7	User Analog	More	Shaker Power	More					
8	Emergency Stop Button	More	Shaker Power	More					

☒ Shutdown Shaker after sec.

Remote Test Selection

0		Browse
1		Browse
2		Browse
3		Browse
4		Browse

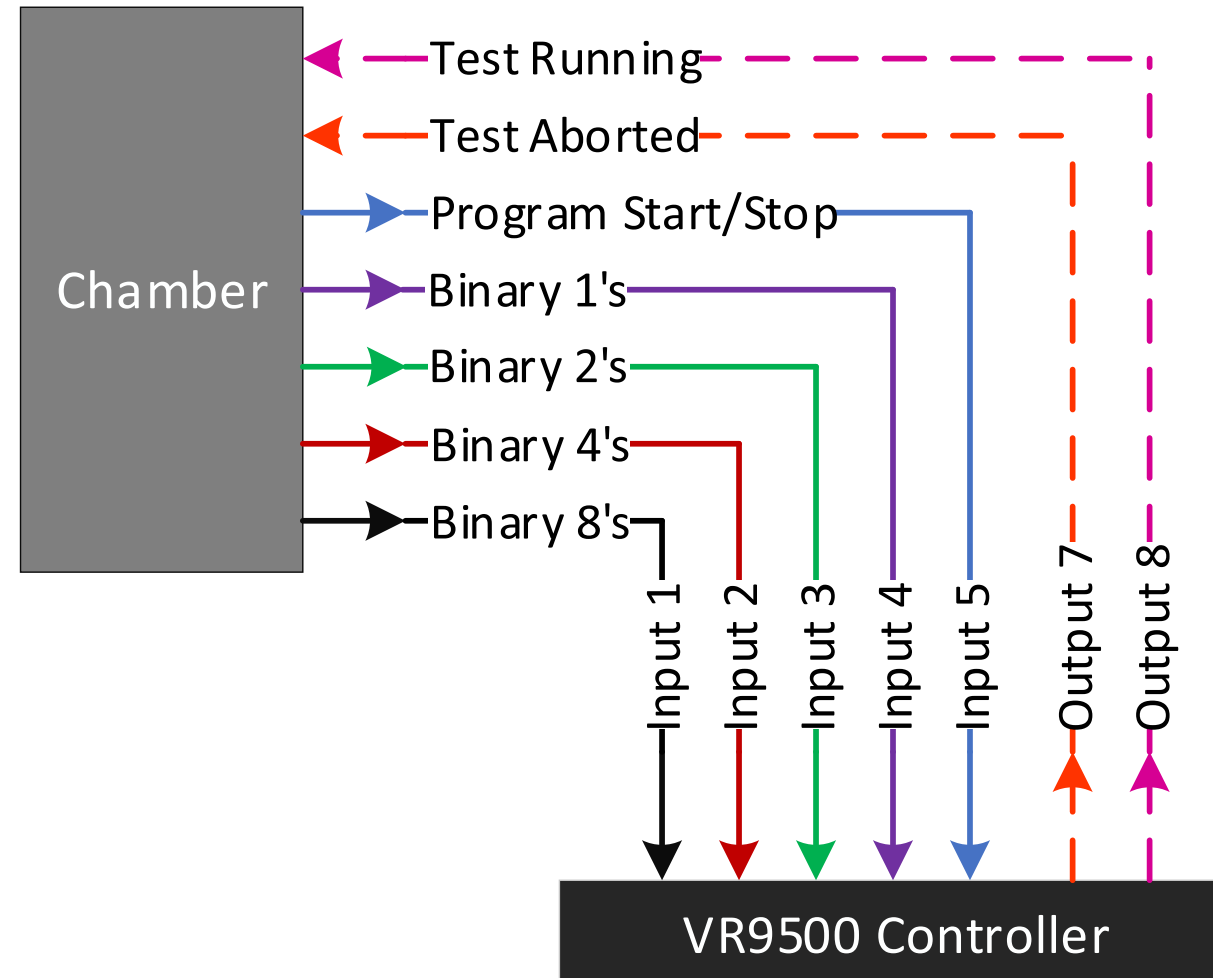
Serial Port: Disabled

OK Cancel Apply Help



TEST SELECTION & CHAMBER INTEGRATION

Parameters		Directories		Users		Verification		Graph Defaults	
Hardware	Inputs	Outputs	Units	Limits	Remote Inputs	E-Mail Notification	Web Server		
Rear Terminal Functions									
AUX Inputs					AUX Outputs				
1	Program BCD Select 8's	More	Prog. Out#0	More					
2	Program BCD Select 4's	More	Prog. Out#1	More					
3	Program BCD Select 2's	More	Prog. Out#2	More					
4	Program BCD Select 1's	More	Prog. Out#3	More					
5	Program Start/Stop	More	Prog. Out#4	More					
6	Disabled	More	Prog. Out#5	More					
7	Disabled	More	Test Running	More					
8	Disabled	More	Test Aborted	More					
Remote Test Selection									
0					Browse				
1					Browse				
2					Browse				
3					Browse				
4					Browse				
Serial Port					Disabled	Aux I/O Test			





DIGITAL REMOTE I/O WITH ANALOG INPUTS – VR9602

Startup Interlock
Analog Monitoring
Temperature
Humidity
Pressure
Voltage
Graph Input vs. Time

The screenshot shows the VR9602 software interface with the 'Rear Terminal Functions' window open. The 'More' button for 'User Analog' input is highlighted with a red box. A red arrow points from this button to the 'User Analog Parameters' dialog box, which is also highlighted with a red box. The dialog box contains the following fields:

Transducer Scale	
10 Volts Input	250 °C
0 Volts Input =	-250 °C

☐ Abort Limit

Abort Limit	
☐ Abort above	10 °C
☐ Abort below	-10 °C

☐ Interlock Limit

Interlock Limit	
☐ Don't start above	10 °C
☐ Don't start below	-10 °C

☐ Status Bar Label

Decimal Places: 2

Stop Code

<https://vibrationresearch.com/software/digital-remote-i-o/>



WEB & E-MAIL NOTIFICATIONS – VR9603

Monitor system status from anywhere

Receive Texts or Emails on system status

Automatic notifications user defined interval

Web page with remote control of your test

<https://vibrationresearch.com/software/web-e-mail-notifications/>



WEB SERVER

VibrationVIEW Configuration

Parameters		Directories		Users	Verification		Graph Defaults
Hardware	Inputs	Outputs	Units	Limits	Remote Inputs	E-Mail Notification	Web Server

☒ Enable VibrationVIEW web server

Username:

Password:

Server address:

Port number: (default = 80)

☒ Allow access to stored data

Username:

Password:

Leave the server address blank to autodetect the machine name

☒ Allow remote test control

Username:

Password:

After applying any changes, you can test the web server using:
<http://192.168.1.31:82>

☒ Log accesses to file:



E-MAIL

VibrationVIEW Configuration

Parameters Directories Users Verification Graph Defaults
Hardware Inputs Outputs Units Limits Remote Inputs E-Mail Notification Web Server

Mail server configuration

From: ☐ HTML Email

To: ☐ Enable bounce messages

Subject: ☒ Use STARTTLS

SMTP Server: ☒ Requires authentication

SMTP Port: (Default port is 25) Username: Password:

Message selection

☒ Send status e-mail on test completion or aborted test

☒ Send status e-mail on abort errors

☒ Send status e-mail on schedule level changes

☒ Send status e-mail every minutes while a test is running

Message delivery options

☐ Do not send any email notification

☐ Enable email notification for ONLY the next test

☒ Enable email notification for ALL tests

Send test message now

OK Cancel Apply Help



MATH TRACES & CALCULATOR

VR9606

<https://vibrationresearch.com/software/math-traces-calculator-option/>

40 uses of math traces (Download PDF)

<https://vibrationresearch.com/resources/40-uses-for-math-traces/>



ANALYZER – VR9607

<https://vibrationresearch.com/blog/analyzer-package/>

VRU course

<https://vru.vibrationresearch.com/course/the-analyzer-software-package/>

Webinar

<https://www.youtube.com/watch?v=T-gd4dYv9KM&t=34s>



LINKS

Digital Remote I/O – VR9601

Digital Remote I/O with Analog Inputs – VR9602

<https://vibrationresearch.com/software/digital-remote-i-o/>

Web & E-Mail Notifications – VR9603

<https://vibrationresearch.com/software/web-e-mail-notifications/>

<https://vimeo.com/240733172>

Math Traces & Calculator – VR9606

<https://vibrationresearch.com/software/math-traces-calculator-option/>

Analyzer – VR9607

<https://vibrationresearch.com/blog/analyzer-package/>

<https://www.youtube.com/watch?v=T-gd4dYv9KM&t=34s>



ANY QUESTIONS?

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